

Curtis State Office Building
1000 SW Jackson, Suite 410
Topeka, Kansas 66612-1367

Kansas Department of Health and Environment

Preliminary Assessment



**Standard
Products/
West Kellogg
Wichita, Kansas
(C2-087-72515)**

40460428



Superfund

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0400

ES

Bureau of Environmental Remediation

Our Mission: To protect and improve the health and environment of all Kansans

Preliminary Assessment

**Standard Products/West Kellogg
Site
Wichita, Kansas**

Prepared by:

**Kansas Department of Health and Environment
Bureau of Environmental Remediation
Remedial Section
Site Assessment Program**

Date: March 2014

**State ID: C2-087-72515
EPA ID: KSN000706571**

Project Manager: Jon Vopata, Environmental Scientist III

Field Team Members:
Mike LaBuda, Environmental Technician IV

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1.0 Introduction

This document presents the findings of a Preliminary Assessment (PA) conducted by the Kansas Department of Health and Environment (KDHE) at the Standard Products/West Kellogg site in Wichita, Kansas. The assessment was conducted as part of continuing cooperative agreement with the United States Environmental Protection Agency (EPA) to perform investigations of selected sites to evaluate potential or actual releases of hazardous substances, pollutants, or contaminants in Kansas. These investigations are performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986 and consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) 40 CFR § 300.400-300.425.

This PA was initiated by the KDHE Bureau of Environmental Remediation in response to the discovery of tetrachloroethylene (PCE) in groundwater. The purpose of this PA is to determine the source of contaminants, collect sufficient information to assess the threat posed to human health and the environment, and to determine the need for further action under CERCLA/SARA consistent with the NCP. The investigation included the collection of water samples from drinking water wells and evaluation of the site using the Hazard Ranking System (HRS) guidance. The Standard Products/West Kellogg site has the EPA ID #KSN000706571.

2.0 Site Information

2.1 Site Location and Description

The Standard Products/West Kellogg site is located at 7920 W. Kellogg Street in Wichita, Sedgwick County, Kansas. The property is within the northeast quarter of Section 28, Township 27 South, Range 1 West. The geographical coordinates for the property are latitude 37.673344° North, longitude -97.433751° West. Surrounding properties include commercial businesses to the west, east, and south, and residences to the northwest.

2.2 Site Background

In December 2009 KDHE conducted a Unified Focused Assessment (UFA) of the Standard Products/West Kellogg site. The UFA was conducted through an initiative to assess former radium dial shop sites in Kansas. Groundwater samples were collected from two locations on the property. The background sample (SP-2) to the north indicated PCE at 8.1 micrograms per liter (ug/L), slightly exceeding the EPA maximum contaminant level (MCL) and KDHE Tier 2 Risk-based Standards for Kansas (RSK) level of 5 ug/L. No other contaminants were identified at concentrations exceeding MCLs or RSK. Radium-226 was not detected above background levels.

In March 2013 KDHE conducted a Site Evaluation of the Standard Products/West Kellogg site. Groundwater samples were collected from seven locations upgradient (northwest) of the subject property. One sample collected upgradient of the subject property (SE-5) indicated PCE at 7.4 ug/L, exceeding MCL and RSK (Reference 1).

2.3 Hazardous Substance Characteristics

Along with dry cleaning and parts degreasing, PCE has additional applications in making other chemicals and in some consumer products. Exposure to high doses can cause dizziness, headaches, sleepiness, confusion, nausea, difficulty in speaking and walking, unconsciousness, and death. Kidney and liver damage can also result from high exposures. PCE is reasonably assumed to be a carcinogen. Humans can generally detect PCE at concentrations of one part per million in air. PCE is nonflammable at room temperature, evaporates easily, and has a sharp, sweet odor (Reference 2).

3.0 Assessment Activities

3.1 Groundwater Sample Collection

On February 19-20, 2014, Mike LaBuda of KDHE conducted a door-to-door survey of residential properties from the intersection of Topaz and University north-northwest to the intersection of Tyler and Central. Figure 4 depicts the approximately 75 residential properties surveyed. During the survey Mr. LaBuda identified and sampled three drinking water wells (Monroe residence at 131 N. Socora, Anderson residence at 143 N. Evergreen, and Stover residence at 142 N. Evergreen). Residents along Robin, Evergreen, and Socora indicated to Mr. LaBuda that there were no public water supply lines on these streets and residents in the area primarily relied on domestic wells for drinking water. On February 25, 2014, Kyle Parker sampled three additional drinking water wells in the survey area (Emprise Bank Trust residence at 261 N. Robin, Nibarger residence at 241 N. Robin, and Brown residence at 215 S. Socora).

The drinking water well samples were collected from spigots on the outside of the houses after allowing the spigots to flow for approximately five minutes. Water samples were collected directly into acidified 40 milliliter vials under low flow conditions. Samples were transported to Kansas Department of Health and Environmental Laboratories for analysis of volatile organic compounds by EPA method 8260.

3.2 Soil Sample Collection

No soil samples were collected during the PA.

3.3 Analytical Results

PCE was reported in drinking water well samples collected from 143 N. Evergreen, 142 N. Evergreen, 241 N. Robin, and 215 S. Socora at concentrations of 554.4 ug/L, 182.4

ug/L, 8.0 ug/L, and 1.5 ug/L, respectively. PCE was not detected in groundwater samples collected at 131 N. Socora or 261 N. Robin. The samples collected from 143 N. Evergreen, 142 N. Evergreen, and 241 N. Robin exceeded both the MCL and RSK for PCE.

Trichloroethylene (TCE) was reported in drinking water well samples collected from 143 N. Evergreen and 142 N. Evergreen at concentrations of 19.3 ug/L and 1.0 ug/L, respectively. TCE was not detected in groundwater samples collected at 131 N. Socora, 261 N. Robin, 241 N. Robin, or 215 S. Socora. The sample collected from 143 N. Evergreen exceeded both the MCL and RSK for TCE.

Cis 1,2-Dichloroethylene (cis 1,2-DCE) was reported in drinking water well samples collected from 143 N. Evergreen and 142 N. Evergreen at concentrations of 19 ug/L and 0.9 ug/L, respectively. Cis 1,2-DCE was not detected in groundwater samples collected at 131 N. Socora, 261 N. Robin, 241 N. Robin, or 215 S. Socora. All reported concentrations of cis 1,2-DCE were below MCL and RSK.

Chloroform was reported in the drinking water well sample collected from 142 N. Evergreen at a concentration of 0.9 ug/L, below the MCL and RSK. Chloroform was not reported in any other drinking water well samples.

Methyl Tert-Butyl Ether (MTBE) was reported in the drinking water well sample collected from 143 N. Evergreen at a concentration of 1.7 ug/L, below the MCL and RSK. MTBE was not reported in any other drinking water well samples.

Water sample results are summarized in Table 1 and Figure 4.

3.4 Quality Assurance Procedures

A Quality Assurance Project Plan (QAPP) was developed for the site by completing a site-specific addendum to the Site Assessment Program's generic QAPP. All samples were collected in accordance with appropriate standard operating procedures.

4.0 Groundwater Pathway

4.1 Site Geology

The site is located within the Arkansas River Lowlands section of the Central Lowland Physiographic Province. The topography of the province is characterized by the broad, flat valley of the Arkansas River and the gently rolling slopes that rise to the uplands adjacent to the valley (Reference 3).

Soil at the property is classified as Canadian complex. This complex consists of deep, well drained, moderately rapidly permeable soils on alluvial terraces. The silt loam soils

(slopes ranging zero to three percent) are well-drained soils occurring in floodplains formed from alluvial parent material (Reference 3).

The site is near the center of the broad 4-mile wide alluvial valley of the Arkansas River. This alluvial valley is comprised of unconsolidated sediments-terrace deposits of Illinoian age of the Pleistocene epoch. The unconsolidated sediments consist of bedded sand, silt, and clay deposits of varying thickness and composition. The unconsolidated deposits are underlain by shale bedrock of the Wellington Formation (Permian age). The unconsolidated deposits/Wellington Formation contact is approximately 150 feet below ground surface (bgs) (Reference 4).

The terrace deposits of unconsolidated sediment within the Arkansas River valley make up the principal aquifer of the site. Groundwater is generally encountered at 30 feet bgs. Groundwater flow direction is south-southeast. The less permeable Wellington Formation is the lower boundary of the alluvial aquifer (Reference 4).

4.2 Groundwater Targets

The groundwater exposure pathway under the HRS is evaluated in part by calculating the number of residents, students, and workers served by water wells located within four miles of the site and determining whether these people are actually or potentially exposed to hazardous substances (Reference 5).

Water well surveys were distributed to approximately 75 residences; only 6 residences responded. The six responding residences are not connected to a public water supply and rely on private wells for drinking water. Residents surveyed indicated the properties along Robin, Evergreen, and Socora are on private drinking water wells. Residents along other streets may also be drinking water from private wells.

The water well survey and drinking water results identified ten Level I drinking water targets and four Level II drinking water targets.

A search of the Kansas Geological Survey water well record (form WWC-5) database identified: 171 domestic wells within a quarter mile of the site, 256 domestic wells between one quarter mile and one half mile from the site, 423 domestic wells between one half mile and one mile from the site, 1,634 domestic wells between one and two miles from the site, 2,806 domestic wells between two and three miles from the site, and 3,942 domestic wells between three and four miles from the site. This estimate of groundwater targets is limited by the WWC-5 database, which only contains records of wells drilled since 1975 (Reference 6).

The KDHE Public Water Supply (PWS) database identified: zero PWS wells within two miles of the site, four City of Goddard PWS wells serving an estimated population of 4,532 located between two and three miles from the site, two Sedgwick County Rural Water District #4 wells serving an estimated population of 1,626 located between two and three miles from the site, one Eberly Farm, Inc., well serving an estimated population

of 200 located between three and four miles from the site, two Occidental Chemical Corporation wells serving an estimated population of 190 located between three and four miles from the site, one Dusti's Place LLC well serving an estimated population of 65 located between three and four miles from the site, and three City of Wichita PWS wells serving an estimated population of 19,712 located between three and four miles from the site (Reference 7).

City of Wichita 2012 census data indicates the population of Wichita is 385,577 persons. There are an estimated 2.49 persons per household. The estimated population density is 2,400 people per square mile. The total distance-weighted population of potential groundwater contamination targets within four miles of the site is calculated to be approximately 5,736 (Reference 5, 8).

4.3 Groundwater Pathway Conclusions

The groundwater pathway is the primary pathway of concern. There have been ten Level I drinking water targets, four Level II drinking water targets, and 5,736 potential (distance-weighted) drinking water targets identified. There are potentially impacted private wells identified within the area of groundwater contamination that should be sampled during the Site Inspection (SI).

5.0 Surface Water Pathway

5.1 Hydrologic Settings

The site is located approximately 1.5 miles west of the Wichita Valley Center Flood Control Canal and approximately four miles west of the Arkansas River. Overland drainage is controlled by curbs and gutters that direct drainage to a municipal storm sewer.

No probable point of entry to the Arkansas River was established for this assessment because the overland flow segment of the HRS surface water pathway does not appear to be a threat.

5.2 Surface Water Targets

The surface water exposure pathway under HRS is evaluated in part by calculating the number of residents, students, and workers served by surface water intakes within 15 miles downstream of the site and whether these people are actually or potentially exposed to hazardous substances. No drinking water intakes were identified within 15 miles downstream of the site.

The Arkansas River is used for recreational fishing. Numerous wetlands are within 15 miles downstream of the site. No other sensitive environments were identified.

5.3 Surface Water Pathway Conclusions

There are no indications of a release of PCE to surface water at the site. Given the location of the site relative to the Arkansas River and the migration pathway of the PCE contaminated groundwater, contaminated groundwater flow into the Arkansas River is unlikely.

6.0 Soil Exposure and Air Pathways

6.1 Physical Conditions

Properties upgradient (northwest) of 7920 W. Kellogg are primarily residential. There are commercial properties located around W. Central Avenue and N. Tyler Road approximately 1.5 miles north-northwest.

6.2 Soil Exposure and Air Pathway Targets

The soil exposure pathway under HRS assesses the risks associated with existing surficial contamination (0-2 feet below surface) at properties on which people live or work. No soil samples were collected during the assessment of the site. The outdoor air exposure pathway is considered low due to the degradation and rapid dispersion of PCE in the atmosphere. There is a potential for indoor air exposure via vapor intrusion from contaminated soil or groundwater.

6.3 Soil Exposure and Air Pathway Conclusions

The soil exposure and air pathways appear to pose a minimal threat at the site. The air pathway under HRS addresses outside air only, but indoor air contamination from vapor intrusion of contaminated soil and groundwater may be impacting residential properties.

7.0 Summary and Conclusions

In December 2009 KDHE conducted a UFA of the Standard Products/West Kellogg site. PCE was detected at concentrations slightly exceeding the MCL and RSK in groundwater samples collected at 7920 W. Kellogg Street. Radium-226 was not detected above background levels.

In March 2013 KDHE conducted a SE at the Standard Products/West Kellogg site. PCE was detected above the MCL and RSK in one groundwater sample collected at the intersection of Topaz and University Street.

In February 2014 Mike LaBuda conducted a door-to-door survey of residential properties from the intersection of Topaz and University north-northwest to the intersection of Tyler and Central. During the survey six drinking water wells were identified and sampled.

PCE was detected in four drinking water wells; three drinking water wells exceeded the MCL and RSK for PCE. TCE was detected in two drinking water wells; one drinking water well exceeded the MCL and RSK for TCE. The survey and analytical results identified ten level one drinking water targets and four level two drinking water targets.

Residents surveyed indicated properties along Robin, Evergreen, and Socora use private drinking water wells. Residents along other streets may also be drinking water from private wells.

PCE and TCE have been detected in drinking water wells at concentrations exceeding the MCL and RSK levels. The source(s) of contamination have not been identified and there are likely additional impacted drinking water wells. Therefore, a higher-priority SI consistent with §300 of the NCP is recommended for the Standard Products/West Kellogg site.

8.0 References

- (1) Kansas Department of Health and Environment, Bureau of Environmental Remediation, Remedial Section. Standard Products/West Kellogg site file, C2-087-72515. January 2014.
- (2) Agency for Toxic Substances and Disease Registry. Accessed February 18, 2014 from <http://www.atsdr.cdc.gov/>
- (3) United States Department of Agriculture Soil Conservation Service, in cooperation with Kansas Agricultural Experiment Station. *Soil Survey of Sedgwick County, Kansas*. 1979.
- (4) Lane, C.W., and Miller, D.E. *Geohydrology of Sedgwick County, Kansas*, Bulletin 176, Kansas Geological Survey, University of Kansas Publications; Lawrence, Kansas. 1965.
- (5) United States Environmental Protection Agency, November 1992, The Hazard Ranking System Guidance Manual, Publication 9345.1-07.
- (6) Water well completion records form, WWC-5, available at: <http://www.kgs.ku.edu/>. Accessed February 2014.
- (7) Kansas Department of Health and Environment, Bureau of Water, Public Water Supply (PWS) Database. Accessed internally February 2014.
- (8) United States Census Bureau. *City of Wichita Quickfacts from the U.S. Census Bureau*. Retrieved February 2014 from <http://quickfacts.census.gov/qfd/states/20/2079000.html>

9.0 Appendices

9.1 Figures and Tables

Table 1: Standard Products/West Kellogg - Analytical Results
 Project Phase: Preliminary Assessment
 Standard Products/West Kellogg - Wichita, KS
 KDHE Project Code: C2-087-72515

Property	Address	Date Collected	Tetra-chloro-ethylene (PCE)	Tri-chloro-ethylene (TCE)	cis 1,2-Dichloro-ethylene (cis 1,2-DCE)	Chloro-form	Methyl tert-Butyl Ether (MTBE)	Number of Residents Drinking Water
RSK: GW Pathway / EPA: MCL			5.0 / 5.0	5.0 / 5.0	70 / 70	80 / 80	133 / NE	
Monroe Residence	131 N. Socora	2/19/14	<0.5	<0.5	<0.5	<0.5	<0.5	3
Anderson Residence	143 N. Evergreen	2/19/14	554	19.3	19.0	<0.5	1.7	5
Stover Residence	142 N. Evergreen	2/19/14	182	1.0	0.9	0.9	<0.5	3
Emprise Bank Trust	261 N. Robin	2/25/14	<0.5	<0.5	<0.5	<0.5	<0.5	2
Nibarger Residence	241 N. Robin	2/25/14	8.0	<0.5	<0.5	<0.5	<0.5	2
Brown Residence	215 S. Socora	2/25/14	1.5	<0.5	<0.5	<0.5	<0.5	4

Notes: All concentrations provided in micrograms per liter (ug/L)

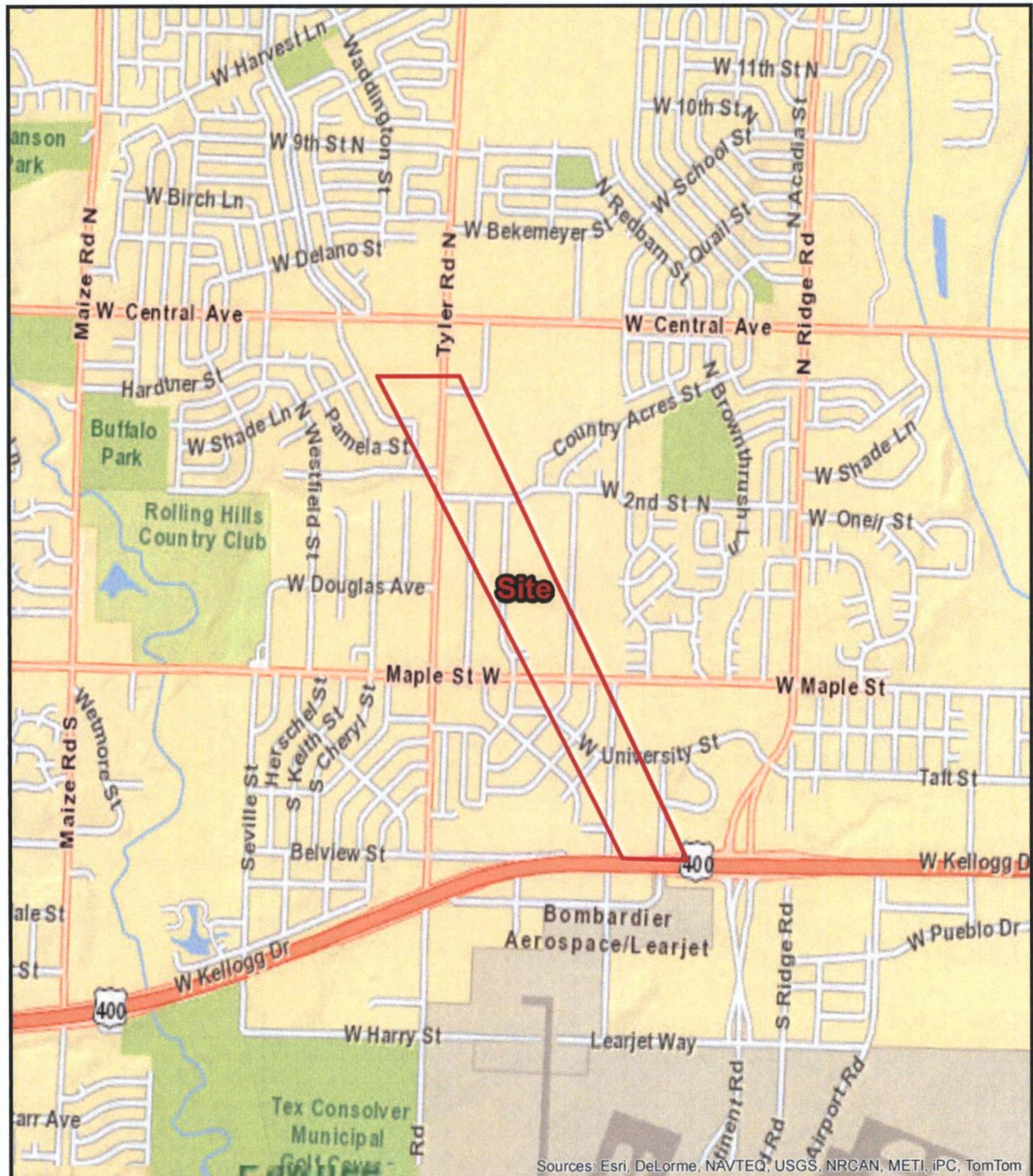
RSK Residential Risk-based Standards for Kansas

EPA: MCL - Environmental Protection Agency; Maximum Contaminant Level

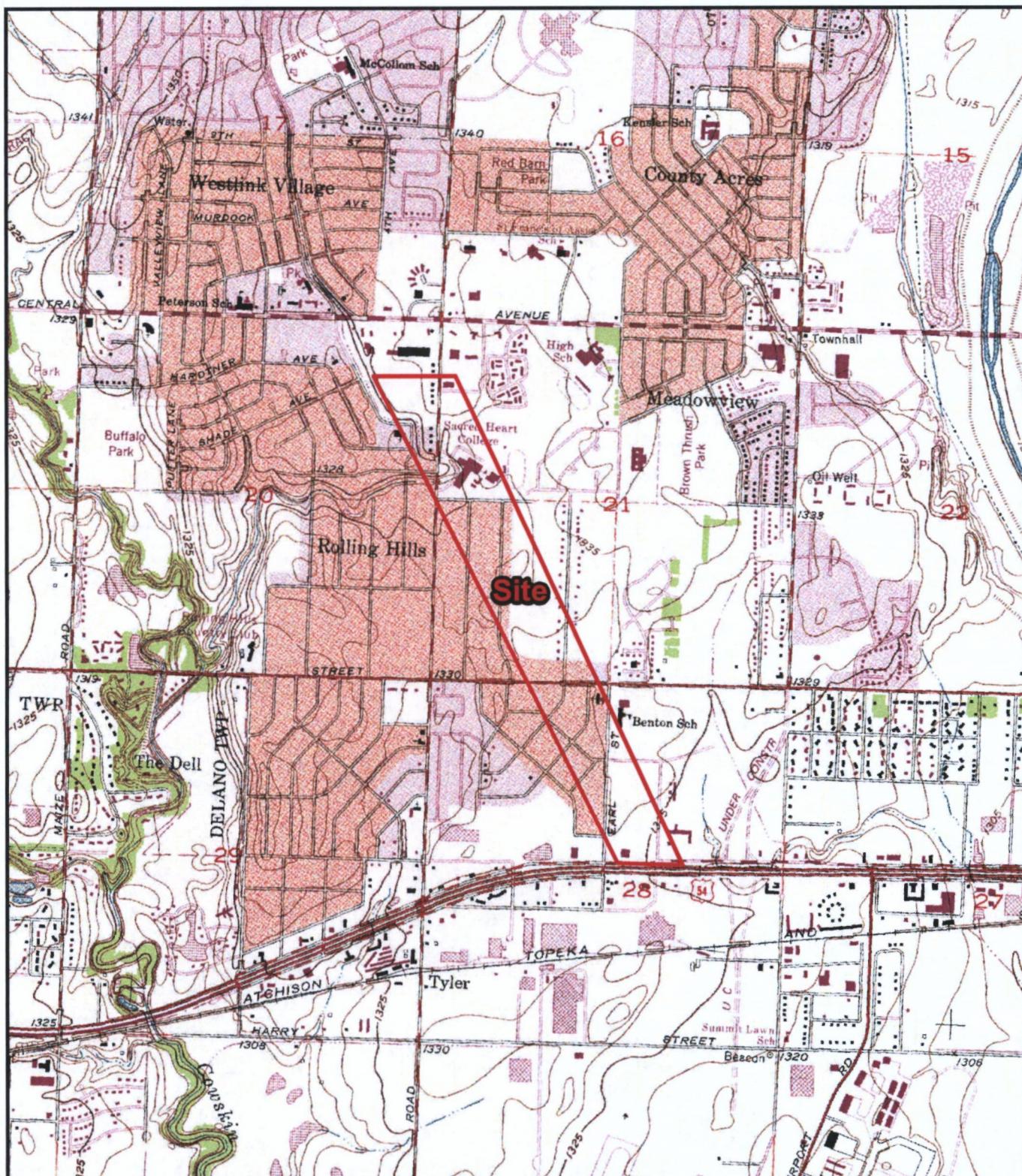
NE - Not Established

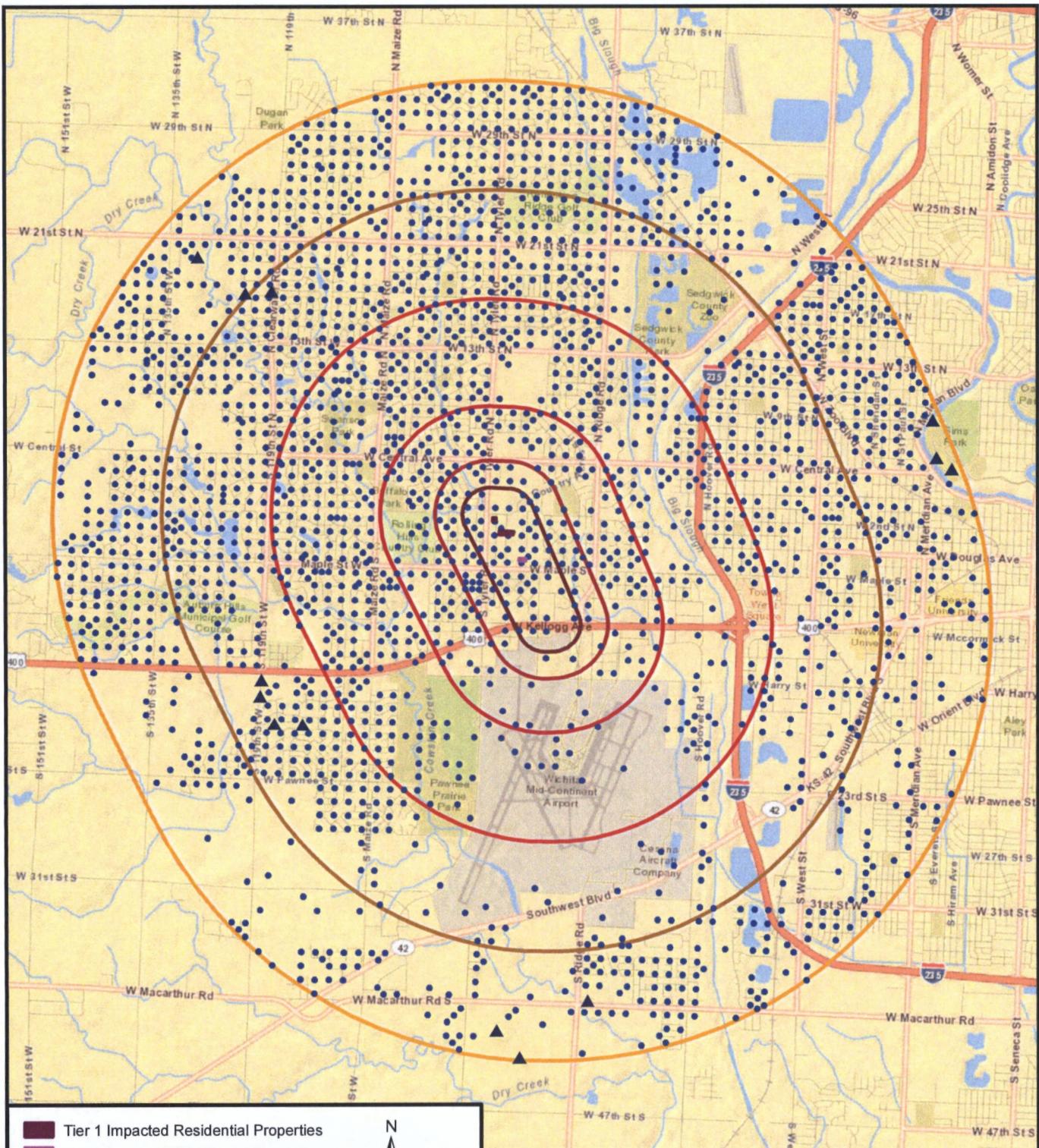
Bold values exceed RSK and MCL

Analytical results reported by Kansas Department of Health and Environmental Laboratories



 N	 0 0.25 0.5 1 Miles	 Kansas Department of Health and Environment	SITE: Standard Products/West Kellogg
			TITLE: Area Map
			PROJECT PHASE: Preliminary Assessment
DRAWN BY:	JV	2/25/14	BASEMAP DATE: 2008
CHECKED BY:	JV	2/25/14	Figure 1





■ Tier 1 Impacted Residential Properties

■ Tier 2 Impacted Residential Properties

- Domestic Water Wells

- ▲ Public Water Supply Wells

■ 1/4 Mile Site Radius

■ 1/2 Mile Site Radius

■ One Mile Site Radius

■ Two Mile Site Radius

■ Three Mile Site Radius

■ Four Mile Site Radius

N

Domestic well locations
may not be accurate.
A water well survey is
recommended to
verify well locations.

0 0.5 1 2
Miles

Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

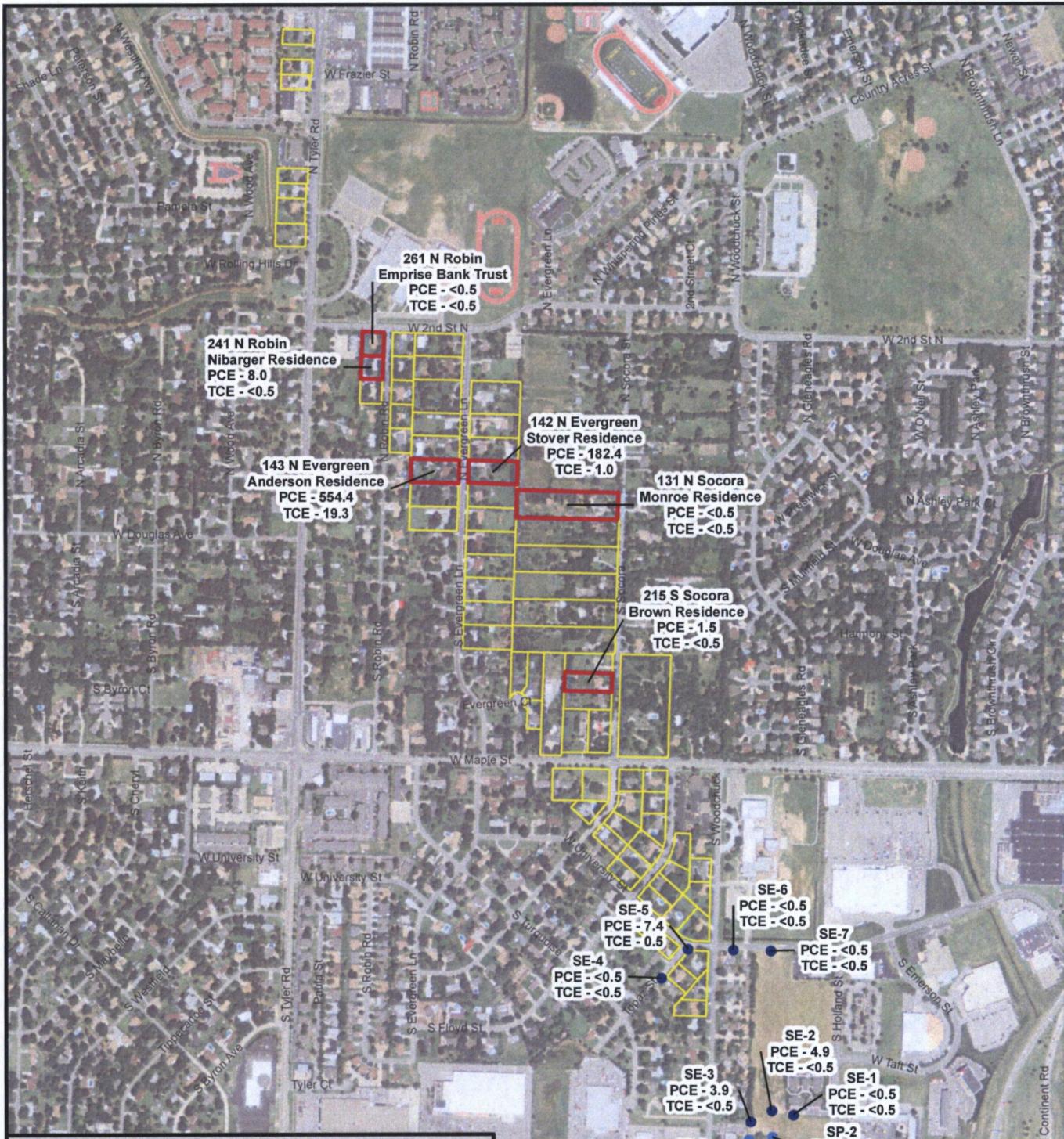


SITE:
Standard Products/West Kellogg

TITLE:
**Actual and Potential
Drinking Water Targets Identified**

PROJECT PHASE:
Preliminary Assessment

DRAWN BY:	JV	3/4/14	BASEMAP DATE:	2012
CHECKED BY:	JV	3/4/14	Figure 3	



SITE:
Standard Products/West Kellogg

TITLE: **Standard Products/West Kellogg**
Site Analytical Results

PROJECT PHASE: Preliminary Assessment

DRAWN BY:	JV	3/7/14	BASEMAP DATE:	2012
CHECKED BY:	JV	3/7/14	Figure 4	

9.2 Site Photos

Photo # 1

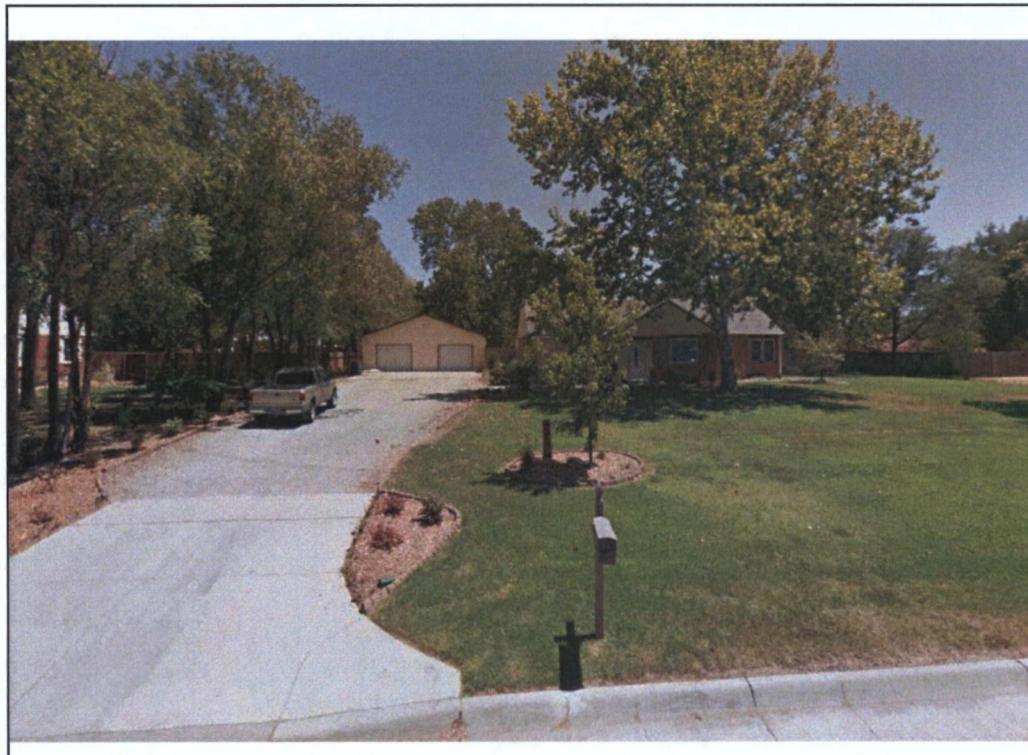


Viewing Direction: W

Caption:

Property at 131 N. Socora.

Photo # 2



Viewing Direction: E

Caption:

Property at 142 N. Evergreen.

Photo # 3



Viewing Direction: W

Caption:

Property at 143 N. Evergreen.

Photo # 4



Viewing Direction: W

Caption:

Property at 241 N. Robin.

Photo # 5



Viewing Direction: W

Caption:

Property at 261 N. Robin.

9.3 Analytical Data



Health and Environmental Laboratories

Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section**Report to:** Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612Client ID: BER001
State ID:

Collector: Mike LaBuda

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	64737					Matrix:	Water		
Sample ID:	Monroe Residence	131 N. Second				Date Collected:	2/19/2014 14:15		
Description						Date Received:	2/21/2014 13:34		
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual RegLmt

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

Trichlorofluoromethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Chloroform	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
MTBE	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Bromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
cis-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
trans-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,2,3-Trichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
n-Propylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
p-Isopropyltoluene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
2-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
4-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Hexachlorobutadiene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,2-Dibromo-3-chloropropane	<0.02	ug/L	0.02	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,3,5-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Dichlorodifluoromethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
tert-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,2,4-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
n-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Bromobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,3-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Dibromomethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Naphthalene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Chloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Bromomethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Vinyl Chloride	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Isopropylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Dibromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
(THM)									
Bromodichloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
(THM)									
Chloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	
Bromoform (THM)	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA	

Report Date: Friday, March 07, 2014 6:01:34 PM

Report ID: 129777 - 357249

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Page 1 of 2

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6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-72515

Collector: Mike LaBuda

Location Desc: Standard Products-West Kellogg

Lab ID:	64737	Matrix:	Water							
Sample ID:	Monroe Residence	Date Collected:	2/19/2014 14:15							
Description		Date Received:	2/21/2014 13:34							
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,3-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,1-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
sec-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
2,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,1-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
trans 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
cis 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,1,1-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Carbon tetrachloride	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Benzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,2-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Trichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Toluene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Tetrachloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,1,2-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Chlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Ethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
m,p-Xylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
o-Xylene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Xylene	<1	ug/L	1	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Styrene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,4-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,2-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,2,4-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Ethylene Dibromide	<0.01	ug/L	0.01	1	2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
1,2-Dichlorobenzene-d4 (S)					2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
4-Bromofluorobenzene (S)					2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		
Fluorobenzene (S)					2/27/2014 00:17	MJA	2/27/2014 00:17	MJA		

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BUREAU OF
ENVIRONMENTAL POLLUTION



Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-72515

Collector: Mike LaBuda

Location Desc: Standard Products-West Kellogg

Lab ID:	64739					Matrix:	Water		
Sample ID:	Stover Residence	142 N Evergreen Avenue				Date Collected:	2/19/2014 16:55		
Description						Date Received:	2/21/2014 13:34		
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual RegLmt

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

Trichlorofluoromethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Chloroform	0.9257	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
MTBE	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Bromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
cis-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
trans-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,2,3-Trichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
n-Propylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
p-Isopropyltoluene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
2-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
4-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Hexachlorobutadiene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,2-Dibromo-3-chloropropane	<0.02	ug/L	0.02	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,3,5-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Dichlorodifluoromethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
tert-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,2,4-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
n-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Bromobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,3-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Dibromomethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Naphthalene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Chloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Bromomethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Vinyl Chloride	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Isopropylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Dibromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
(THM)									
Bromodichloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
(THM)									
Chloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	
Bromoform (THM)	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA	

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BUREAU OF
ENVIRONMENTAL REMEDIATION



Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Mike LaBuda

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	64739	Matrix:	Water							
Sample ID:	Stover Residence	Date Collected:	2/19/2014 16:55							
Description										
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,3-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,1-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
sec-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
2,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,1-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
trans 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
cis 1,2-Dichloroethylene	0.88994	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,1,1-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Carbon tetrachloride	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Benzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,2-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Trichloroethylene	1.03064	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Toluene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Tetrachloroethylene	182.4208	ug/L	10	20	3/4/2014 14:40	MJA	3/4/2014 14:40	MJA		
1,1,2-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Chlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Ethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
m,p-Xylene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
o-Xylene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Xylene	<1	ug/L	1	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Styrene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,4-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,2-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,2,4-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Ethylene Dibromide	<0.01	ug/L	0.01	1	2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,2-Dichlorobenzene-d4 (S)					2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
1,2-Dichlorobenzene-d4 (S)					3/4/2014 14:40	MJA	3/4/2014 14:40	MJA		
4-Bromoanisole (S)					2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
4-Bromoanisole (S)					3/4/2014 14:40	MJA	3/4/2014 14:40	MJA		
Fluorobenzene (S)					2/27/2014 01:26	MJA	2/27/2014 01:26	MJA		
Fluorobenzene (S)					3/4/2014 14:40	MJA	3/4/2014 14:40	MJA		

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BUREAU OF
ENVIRONMENTAL REMEDIATION



Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Mike LaBuda

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	64739	Matrix:	Water							
Sample ID:	Stover Residence	Date Collected:	2/19/2014 16:55							
Description		Date Received:	2/21/2014 13:34							
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt

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ENVIRONMENTAL REGULATION



Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Location Code: C2-087-72515

Collector: Mike LaBuda

Location Desc: Standard Products-West Kellogg

Lab ID:	64738					Matrix:	Water
Sample ID:	Anderson Residence	143 N. Franklin Street				Date Collected:	2/19/2014 16:30
Description						Date Received:	2/21/2014 13:34

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260										
Preparation Method: EPA 8260										
Analytical Method: EPA 8260										
Trichlorofluoromethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Chloroform	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
MTBE	1.74121	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Bromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
cis-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
trans-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,1,1,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2,3-Trichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
n-Propylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
p-Isopropyltoluene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
2-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
4-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Hexachlorobutadiene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2-Dibromo-3-chloropropane	<0.02	ug/L	0.02	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,3,5-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Dichlorodifluoromethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
tert-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2,4-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
n-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Bromobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,3-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Dibromomethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Naphthalene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Chloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Bromomethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Vinyl Chloride	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Isopropylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Dibromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
(THM)										
Bromodichloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Chloromethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Bromoform (THM)	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		

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Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Mike LaBuda

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	64738	Matrix:	Water							
Sample ID:	Anderson Residence	Date Collected:	2/19/2014 16:30							
Description		Date Received:	2/21/2014 13:34							
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,3-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,1-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
sec-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
2,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,1-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
trans 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
cis 1,2-Dichloroethylene	19.02373	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,1,1-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Carbon tetrachloride	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Benzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Trichloroethylene	19.28374	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Toluene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Tetrachloroethylene	554.4126	ug/L	10	20	3/4/2014 14:17	MJA	3/4/2014 14:17	MJA		
1,1,2-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Chlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Ethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
m,p-Xylene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
o-Xylene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Xylene	<1	ug/L	1	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Styrene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,4-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2,4-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Ethylene Dibromide	<0.01	ug/L	0.01	1	2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2-Dichlorobenzene-d4 (S)					2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
1,2-Dichlorobenzene-d4 (S)					3/4/2014 14:17	MJA	3/4/2014 14:17	MJA		
4-Bromofluorobenzene (S)					2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
4-Bromofluorobenzene (S)					3/4/2014 14:17	MJA	3/4/2014 14:17	MJA		
Fluorobenzene (S)					2/27/2014 00:40	MJA	2/27/2014 00:40	MJA		
Fluorobenzene (S)					3/4/2014 14:17	MJA	3/4/2014 14:17	MJA		

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KANSAS
DEPARTMENT OF
ENVIRONMENTAL REMEDIATION



Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-72515

Collector: Mike LaBuda

Location Desc: Standard Products-West Kellogg

Lab ID:	64738	Matrix:	Water
Sample ID:	Anderson Residence	Date Collected:	2/19/2014 16:30
Description		Date Received:	2/21/2014 13:34

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
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Department of Health
and Environment

Health and Environmental Laboratories

Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Kyle Parker

Location Desc: C2-087-72515

Lab ID:	67066					Matrix:	Water		
Sample ID:	261 N Robin					Date Collected:	2/25/2014 13:43		
Description						Date Received:	2/26/2014 15:33		
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual RegLmt

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

Trichlorofluoromethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Chloroform	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
MTBE	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Bromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
cis-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
trans-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,2,3-Trichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
n-Propylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
p-Isopropyltoluene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
2-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
4-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Hexachlorobutadiene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,2-Dibromo-3-chloropropane	<0.02	ug/L	0.02	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,3,5-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Dichlorodifluoromethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
tert-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,2,4-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
n-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Bromobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,3-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Dibromomethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Naphthalene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Chloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Bromomethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Vinyl Chloride	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Isopropylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Dibromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
(THM)									
Bromodichloromethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
(THM)									
Chloromethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	
Bromoform (THM)	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA	

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Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Kyle Parker

Location Desc: C2-087-72515

Lab ID:	67066	Matrix:	Water							
Sample ID:	261 N Robin	Date Collected:	2/25/2014 13:43							
Description										
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,3-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,1-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
sec-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
2,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,1-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
trans 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
cis 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,1,1-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Carbon tetrachloride	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Benzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,2-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Trichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Toluene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Tetrachloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,1,2-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Chlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Ethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
m,p-Xylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
o-Xylene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Xylene	<1	ug/L	1	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Styrene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,4-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,2-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,2,4-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Ethylene Dibromide	<0.01	ug/L	0.01	1	2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
1,2-Dichlorobenzene-d4 (S)					2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
4-Bromofluorobenzene (S)					2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		
Fluorobenzene (S)					2/27/2014 02:36	MJA	2/27/2014 02:36	MJA		

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Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean,
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Kyle Parker

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	67064					Matrix:	Water		
Sample ID:	Nibarger 241 N Rot in Rd					Date Collected:	2/25/2014 13:58		
Description						Date Received:	2/26/2014 15:33		
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual RegLmt

Volatiles by EPA 8260

Analysis Desc: EPA 8260

Preparation Method: EPA 8260

Analytical Method: EPA 8260

Trichlorofluoromethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Chloroform	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
MTBE	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Bromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
cis-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
trans-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,1,1,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,2,3-Trichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
n-Propylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
p-Isopropyltoluene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
2-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
4-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Hexachlorobutadiene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,2-Dibromo-3-chloropropane	<0.02	ug/L	0.02	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,3,5-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Dichlorodifluoromethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
tert-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,2,4-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
n-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Bromobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,3-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Dibromomethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Naphthalene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Chloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Bromomethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Vinyl Chloride	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Isopropylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Dibromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
(THM)									
Bromodichloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
(THM)									
Chloromethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	
Bromoform (THM)	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA	

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Health and Environmental Laboratories

Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001

State ID:

Location Code: C2-087-72515

Collector: Kyle Parker

Location Desc: Standard Products-West Kellogg

Lab ID:	67064	Matrix:	Water							
Sample ID:	Nibarger	Date Collected:	2/25/2014 13:58							
Description		Date Received:	2/26/2014 15:33							
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,3-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,1-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
sec-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
2,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,1-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
trans 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
cis 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,1,1-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Carbon tetrachloride	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Benzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,2-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Trichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Toluene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Tetrachloroethylene	8.03489	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,1,2-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Chlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Ethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
m,p-Xylene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
o-Xylene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Xylene	<1	ug/L	1	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Styrene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,4-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,2-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,2,4-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Ethylene Dibromide	<0.01	ug/L	0.01	1	2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
1,2-Dichlorobenzene-d4 (S)					2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
4-Bromofluorobenzene (S)					2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		
Fluorobenzene (S)					2/27/2014 01:50	MJA	2/27/2014 01:50	MJA		

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BUREAU OF
ENVIRONMENTAL REMEDIATION



C2-087-72515
Kansas Health & Environmental Laboratories
6810 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Kyle Parker

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	67065					Matrix:	Water
Sample ID:	Brown 215 S. Second					Date Collected:	2/25/2014 14:17
Description						Date Received:	2/26/2014 15:33

Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
Volatiles by EPA 8260										
Analysis Desc: EPA 8260										
Preparation Method: EPA 8260										
Analytical Method: EPA 8260										
Trichlorofluoromethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Chloroform	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
MTBE	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Bromochloromethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
cis-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
trans-1,3-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1,1,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2,3-Trichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
n-Propylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
p-Isopropyltoluene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
2-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
4-Chlorotoluene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Hexachlorobutadiene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2,3-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2-Dibromo-3-chloropropane	<0.02	ug/L	0.02	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,3,5-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Dichlorodifluoromethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
tert-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2,4-Trimethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
n-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Bromobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,3-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Dibromomethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Naphthalene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Chloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Bromomethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Vinyl Chloride	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Isopropylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Dibromochloromethane (THM)	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Bromodichloromethane (THM)	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Chloromethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1,2,2-Tetrachloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Bromoform (THM)	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		

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BUREAU OF
ENVIRONMENTAL REMEDIATION



Kansas Health & Environmental Laboratories
6610 SW Dwight Street
Topeka, KS 66620
Phone (785) 296-1620
Fax (785) 296-1641

ANALYTICAL RESULTS

Submitter: BER Remedial Section

Report to: Rick Bean
BER Remedial Section
1000 SW Jackson Suite 410
Topeka, KS 66612

Client ID: BER001
State ID:

Collector: Kyle Parker

Location Code: C2-087-72515

Location Desc: Standard Products-West Kellogg

Lab ID:	67065	Matrix:	Water							
Sample ID:	Brown	Date Collected:	2/25/2014 14:17							
Description		Date Received:	2/26/2014 15:33							
Parameters	Results	Units	RDL	DF	Prep	By	Analyzed	By	Qual	RegLmt
1,3-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
sec-Butylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
2,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1-Dichloropropene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
trans 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
cis 1,2-Dichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1,1-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Carbon tetrachloride	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Benzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2-Dichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Trichloroethylene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2-Dichloropropane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Toluene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Tetrachloroethylene	1.52776	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,1,2-Trichloroethane	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Chlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Ethylbenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
m,p-Xylene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
o-Xylene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Xylene	<1	ug/L	1	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Styrene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,4-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2-Dichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2,4-Trichlorobenzene	<0.5	ug/L	0.5	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Ethylene Dibromide	<0.01	ug/L	0.01	1	2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
1,2-Dichlorobenzene-d4 (S)					2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
4-Bromofluorobenzene (S)					2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		
Fluorobenzene (S)					2/27/2014 02:13	MJA	2/27/2014 02:13	MJA		

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9.4 Field Notes

Standard Products/West Kellogg Site

Address	Not Home	No Well	Has Well	Comments	Address	Not Home	No Well	Has Well	Comments
220 S Evergreen Court	✓		✓	L&G Possible Water Hose	8227 W Maple St	✓			
224 S Evergreen Court	✓		✓		8306 W Maple St			✓	
228 S Evergreen Court	✓				160 N Robin Rd	✓			
100 S Evergreen Lane	✓		✓		212 N Robin Rd	✓			
110 S Evergreen Lane	✓		✓		227 N Robin Rd	✓			
115 N Evergreen Lane	✓				228 N Robin Rd	✓		✓	
116 N Evergreen Lane	✓				241 N Robin Rd	✓			
126 S Evergreen Lane		✓		Road 105	242 N Robin Rd	✓			
127 N Evergreen Lane	✓				260 N Robin Rd	✓			
128 N Evergreen Lane	Abandoned				261 N Robin Rd		✓		2 wells L&
140 S Evergreen Lane	✓		✓	Sample 1	325 S Socora Dr	✓		✓	2 in front yard
142 N Evergreen Lane			✓	Sampled	103 S Socora Dr	✓			
143 N Evergreen Lane			✓	Sampled	109 S Socora Dr	✓			
156 S Evergreen Lane	✓		✓	Take 1910	111 N Socora Dr	✓			
157 N Evergreen Lane	✓				135 S Socora Dr	✓			
158 N Evergreen Lane	✓				155 S Socora Dr	✓			
200 N Evergreen Lane	✓				207 S Socora Dr	✓	✓		
201 N Evergreen Lane	✓			Precipitation 65%	215 S Socora Dr	✓			would not answer
221 N Evergreen Lane	✓				233 S Socora Dr	✓			
222 N Evergreen Lane	✓				320 S Socora Dr	✓			
241 N Evergreen Lane	✓				330 S Socora Dr	✓			
259 N Evergreen Lane	✓				340 S Socora Dr	✓			
321 S Floyd St		✓	✓	Declined Answer	400 S Topaz Lane	✓			
337 S Floyd St	✓		✓		401 S Topaz Lane	✓			
352 S Floyd St	✓				420 S Topaz Lane	✓			
355 S Floyd St	✓				357 N Tyler Rd	✓			
364 S Floyd St		✓	✓	L&G	403 N Tyler Rd	✓			
365 S Floyd St		✓	✓	L&G	415 N Tyler Rd	✓			
371 S Floyd St		✓	✓	L&G	427 N Tyler Rd	✓			
374 S Floyd St		✓	✓	L&G	531 N Tyler Rd	✓			
384 S Floyd St	✓				535 N Tyler Rd	✓			
400 S Floyd St	✓		✓	L&G	545 N Tyler Rd	✓			
8101 W Maple St	✓				8020 W University Ave	✓			
8116 W Maple St	✓				365 S Woodchuck Lane	✓			
8123 W Maple St	✓				369 S Woodchuck Lane	✓			
8201 W Maple St	✓				375 S Woodchuck Lane	✓			
8212 W Maple St	✓				545 S Woodchuck Lane	✓			511
8220 W Maple St	✓				525 S Woodchuck Lane	✓			

Notes:

Most of Socora & of Maple & Evergreen not on city water
and have wells in front yard

N. Robin - could see no wells
N. Tyler - could see no wells

2/19/14

Glen Anderson • 143 N. Evergreen Lane
Wichita, KS 67212 • [REDACTED]

Sample collected 16.30 hrs from outside faucet
Well supplies house but is put thru water softening
system

George Stover 142 N. Evergreen Lane
Wichita, KS 67212 [REDACTED]

Sample collected 16.55 from outside faucet on
n. side of house - Supplies whole house. Having
whole house filtration installed tomorrow (2/20/14)

2/20/14 - Talked to Trey Tug, assistant principal of Wilber
Middle School. He saw no reason we could not
park in N.W. corner area. He will talk to principal.
Told him we would be down in Mar. or April and
will contact him.

Photo 1 - Maple & Secora facing west - note electric boxes
2 - " " " " east on left
3 - Looking N from N. Robin - Inter N. Robin & 2nd
4 - Looking W at intersect - N. Robin & 2nd
5 - Looking E " " " "
~~207 S Secora owner~~ = Tall 2 story
east side - 100 N.
blk - Pool Butt
Wash from fence

131 N. Secora - Monroe Residence - Stated entire
blk north of Maple, with exception of 1st
several houses, were on wells. No city water.
2 VOC collected at 1415 hrs from outside faucet
on south side of house

156 S. Evergreen - 2 wells - Schwartz Residence

8947 Central is now a Dollar General Store